

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2770	chitosan same (link\$3 crosslink\$3 cross link\$3)	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:39
L2	1282	gelatin and I1	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:39
L3	2759	gelatin with chitosan	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:40
L4	626	I3 and I2	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:40
L5	34	chitosan same (transglutaminase or tyrosinase)	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:40
L6	12	I5 and I4	US-PGPUB; USPAT	ADJ	ON	2006/01/13 10:40

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:44:12 ON 13 JAN 2006

=> file bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

0.21

0.21

FULL ESTIMATED COST

=> set plurals on

SET COMMAND COMPLETED

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

92.16

92.37

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 10:44:40 ON 13 JAN 2006

70 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s chitosan(s)(link? or crosslink? or cross link?)

2 FILE ADISCTI
1 FILE ADISINSIGHT
46 FILE AGRICOLA
52 FILE ANABSTR
58 FILE ANTE
14 FILE AQUALINE
18 FILE AQUASCI
197 FILE BIOENG
382 FILE BIOSIS
210 FILE BIOTECHABS
210 FILE BIOTECHDS
159 FILE BIOTECHNO
71 FILE CABA
2110 FILE CAPLUS
116 FILE CEABA-VTB
1 FILE CIN
6 FILE CONFSCI
3 FILE CROPU

20 FILES SEARCHED...

108 FILE DDFU
111 FILE DGENE
38 FILE DISSABS
158 FILE DRUGU
15 FILE EMBAL
390 FILE EMBASE
202 FILE ES BIOBASE
5* FILE FEDRIP
57 FILE FROSTI
88 FILE FSTA
2 FILE GENBANK

36 FILES SEARCHED...

408 FILE IFIPAT
1 FILE IMSDRUGNEWS
1 FILE IMSRESEARCH
162 FILE JICST-EPLUS
9 FILE KOSMET
98 FILE LIFESCI
306 FILE MEDLINE
10 FILE NTIS
3 FILE OCEAN
699 FILE PASCAL
6 FILE PHIN

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      38      FILE PROMT
      883      FILE SCISEARCH
      388      FILE TOXCENTER
      2599     FILE USPATFULL
      269      FILE USPAT2
65 FILES SEARCHED...
      16      FILE WATER
      922      FILE WPIDS
      13      FILE WPIFV
      922      FILE WPINDEX

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49 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

L1 QUE CHITOSAN(S) (LINK? OR CROSSLINK? OR CROSS LINK?)

=> d rank

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F1      2599     USPATFULL
F2      2110     CAPLUS
F3      922      WPIDS
F4      922      WPINDEX
F5      883      SCISEARCH
F6      699      PASCAL
F7      408      IFIPAT
F8      390      EMBASE
F9      388      TOXCENTER
F10     382      BIOSIS
F11     306      MEDLINE
F12     269      USPAT2
F13     210      BIOTECHABS
F14     210      BIOTECHDS
F15     202      ESBIOBASE
F16     197      BIOENG
F17     162      JICST-EPLUS
F18     159      BIOTECHNO
F19     158      DRUGU
F20     116      CEABA-VTB
F21     111      DGENE
F22     108      DDFU
F23     98       LIFESCI
F24     88       FSTA
F25     71       CABA
F26     58       ANTE
F27     57       FROSTI
F28     52       ANABSTR
F29     46       AGRICOLA
F30     38       DISSABS
F31     38       PROMT
F32     18       AQUASCI
F33     16       WATER
F34     15       EMBAL
F35     14       AQUALINE
F36     13       WPIFV
F37     10       NTIS
F38     9        KOSMET
F39     6        CONFSCI
F40     6        PHIN
F41     5*       FEDRIP
F42     3        CROPU
F43     3        OCEAN
F44     2        ADISCTI
F45     2        GENBANK
F46     1        ADISINSIGHT
F47     1        CIN
F48     1        IMSDRUGNEWS
F49     1        IMSRESEARCH

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=> file f2-f11

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
ENTRY
3.66

TOTAL
SESSION
96.03

=> s 11

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L2      6488 L1
=> s gelatin and l2
L3      496 GELATIN AND L2

=> s gelatin(s)chitosan
L4      2114 GELATIN(S) CHITOSAN

=> s l4 and l3
L5      427 L4 AND L3

=> s chitosan(P)(transglutaminase or tyrosinase or glutamine or tyrosine)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'CHITOSAN(P)(TRANSGLUT'
L6      748 CHITOSAN(P)(TRANSGLUTAMINASE OR TYROSINASE OR GLUTAMINE OR TYROS
      INE)

=> s l6 and l5
L7      41 L6 AND L5

=> dup rem l7
PROCESSING COMPLETED FOR L7
L8      30 DUP REM L7 (11 DUPLICATES REMOVED)

=> s l8 and py<2003
      2 FILES SEARCHED...
      4 FILES SEARCHED...
L9      2 L8 AND PY<2003

=> d bib abs 1-2

L9      ANSWER 1 OF 2  SCISEARCH  COPYRIGHT (c) 2006 The Thomson Corporation  on
      STN
AN      1994:705753  SCISEARCH
GA      The Genuine Article (R) Number: PP117
TI      TYROSINASE-MEDIATED QUINONE TANNING OF CHITINOUS MATERIALS
AU      MUZZARELLI R A A (Reprint); ILARI P; XIA W S; PINOTTI M; TOMASETTI M
CS      UNIV ANCONA, FAC MED, I-60100 ANCONA, ITALY (Reprint); UNIV ANCONA, DEPT
      MECH, I-60100 ANCONA, ITALY
CYA     ITALY
SO      CARBOHYDRATE POLYMERS, ( ***1994*** ) Vol. 24, No. 4, pp. 295-300.
      ISSN: 0144-8617.
PB      ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD, OXON,
      ENGLAND OX5 1GB.
DT      Article; Journal
FS      PHYS; LIFE; AGRI
LA      English
REC     Reference Count: 13
ED      Entered STN: 1994
      Last Updated on STN: 1994
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
AB      Stable and self-sustaining gels were obtained from ***tyrosine***
      glucan (a modified ***chitosan*** synthesized with
      4-hydroxyphenylpyruvic acid) in the presence of ***tyrosinase*** .
      Similar gels were obtained from 3-hydroxybenzaldehyde,
      4-hydroxybenzaldehyde and 3,4-dihydroxybenzaldehyde: all of them were
      hydrolyzed by lysozyme, lipase and papain. Microcapsules were similarly
      obtained by introducing ***tyrosinase*** in a water-in-oil emulsion
      containing ***tyrosine*** glucan in the water phase. No ***cross***
      - ***linking*** was observed for ***chitosan*** derivatives of
      vanillin, syringaldehyde and salicylaldehyde. Collagen- ***chitosan***
      -tannin mixtures were also studied under the catalytic action of
      ***tyrosinase*** : partially crystalline, hard, mechanically resistant
      and scarcely wettable materials were obtained upon drying. By contrast,
      products obtained from albumin, pseudocollagen and ***gelatin*** , in
      the presence of a number of phenols and ***chitosan*** under
      comparable conditions, were brittle.

L9      ANSWER 2 OF 2  IFIPAT  COPYRIGHT 2006 IFI on STN
AN      02226305  IFIPAT;IFIUDB;IFICDB
TI      MICROWAVE BROWNING COMPOSITION; FOR COATING A FOOD PRODUCT; AMINO ACID
      ENCAPSULATED IN A LIPOSOME HAVING A REDUCING SUGAR IN THE EXTERNAL
      AQUEOUS PHASE
INF     Haynes, Lynn C, Morris Plains, NJ
      Levine, Harry, Morris Plains, NJ

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. . Mathewson, Paul, Whippany, NJ
 Otterburn, Michael S, Randolph, NJ
 IN Haynes Lynn C; Levine Harry; Mathewson Paul; Otterburn Michael S
 PAF Nabisco Brands, Inc, East Hanover, NJ
 PA Nabisco Brands Inc (7734)
 EXNAM Czaja, Donald E
 EXNAM Federman, Evan
 PI US 5089278 A 19920218 (CITED IN 007 LATER PATENTS)
 AI US 1989-360582 19890602
 XPD 2 Jun 2009
 FI US 5089278 19920218
 DT Utility; REASSIGNED; EXPIRED
 FS CHEMICAL
 GRANTED
 MRN 005132 MFN: 0836
 006059 0606
 008579 0766
 CLMN 65
 GI 1 Drawing Sheet(s), 1 Figure(s).
 AB A heat- or microwave-activated browning composition is prepared for coating a food product to produce surface browning on exposure to heat or microwave energy. A method of browning a food product includes the steps of coating a food product with a microwaveable browning composition and subjecting the coated product to heat or microwave energy. The microwaveable browning composition includes at least one liposome-encapsulated Maillard browning reagent. A basic amino acid is encapsulated in the aqueous interior of the liposome. A reducing sugar is dissolved in the external aqueous phase of the liposome. The external aqueous phase may also contain a film-forming material. The Maillard browning reaction is triggered by heat or microwave energy. This heat or microwave energy causes the liposomes to rupture, releasing amino acid to react with reducing sugar, producing Maillard browning products. If a basic amino acid is used, the reaction is further catalyzed by a rise in pH of the external aqueous phase upon release of the amino acid from the liposome. Furthermore, phospholipids (from which the liposome vesicles are made) can enhance the extent and rate of Maillard browning product formation.
 CLMN 65
 GI 1 Drawing Sheet(s), 1 Figure(s).

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(FILE 'HOME' ENTERED AT 10:44:12 ON 13 JAN 2006)

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ESBIODASE, FEDRIP, ...' ENTERED AT 10:44:22 ON 13 JAN 2006

SET PLURALS ON

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 10:44:40 ON 13 JAN 2006
 SEA CHITOSAN(S) (LINK? OR CROSSLINK? OR CROSS LINK?)

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3 FILE CROPU
 108 FILE DDFU
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 390 FILE EMBASE
 202 FILE ESBIOWBASE
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 88 FILE FSTA
 2 FILE GENBANK
 408 FILE IFIPAT
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 1 FILE IMSRESEARCH
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 306 FILE MEDLINE
 10 FILE NTIS
 3 FILE OCEAN
 699 FILE PASCAL
 6 FILE PHIN
 38 FILE PROMT
 883 FILE SCISEARCH
 388 FILE TOXCENTER
 2599 FILE USPATFULL
 269 FILE USPAT2
 16 FILE WATER
 922 FILE WPIDS
 13 FILE WPIFV
 922 FILE WPINDEX

L1 QUE CHITOSAN(S) (LINK? OR CROSSLINK? OR CROSS LINK?)

FILE 'CAPLUS, WPIDS, SCISEARCH, PASCAL, IFIPAT, EMBASE, TOXCENTER,
 BIOSIS, MEDLINE' ENTERED AT 10:48:02 ON 13 JAN 2006

L2 6488 S L1
 L3 496 S GELATIN AND L2
 L4 2114 S GELATIN(S)CHITOSAN
 L5 427 S L4 AND L3
 L6 748 S CHITOSAN(P) (TRANSGLUTAMINASE OR TYROSINASE OR GLUTAMINE OR TY
 L7 41 S L6 AND L5
 L8 30 DUP REM L7 (11 DUPLICATES REMOVED)
 L9 2 S L8 AND PY<2003

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
 ENTRY
 100.18

TOTAL
 SESSION
 196.21

STN INTERNATIONAL LOGOFF AT 11:02:52 ON 13 JAN 2006